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**INDIAN SCHOOL MUSCAT  
MIDDLE SECTION  
ANNUAL EXAMINATION 2019-20**



**SCIENCE - SET A**

**Code: MWSC01**

**CLASS: 5  
12.03.2020**

**Time Allotted: 2 ½ Hrs.  
Max .Marks: 80**

**General Instructions.**

1. The question paper comprises of **two Sections, A and B**. You have to attempt both the sections.
2. **All** questions are **compulsory**.
3. **All answers should be written in the answer sheet provided.**

**SECTION A- 20 Marks**

**1.Fill in the blanks**

- a. Rocks are made up of \_\_\_\_\_ . 1
- b. The blanket of air that surrounds the Earth is called the \_\_\_\_\_ . 1
- c. The Earth pulls everything down with the force of \_\_\_\_\_ . 1
- d. The study of living things in their natural surroundings is called \_\_\_\_\_ . 1
- e. A \_\_\_\_\_ is a very strong wind accompanied with very heavy rain. 1

**2. Choose the correct answer**

- a. In which of the following phases is the Moon not visible at all? 1  
 a. New Moon      b. Crescent Moon      c. Gibbous moon      d. Full Moon
- b. Which of these is not a simple machine? 1  
 a. sea-saw      b. scissors      c. bicycle      d. pliers
- c. Bacteria and fungi are known as 1  
 a. producers      b. decomposers  
 c. primary consumers      d. secondary consumers
- d. What causes acid rain? 1  
 a. Fertilizers      b. Presence of harmful gases in the air  
 c. Global warming      d. Presence of harmful substances in water.
- e. Drought is caused due to 1  
 a. fire      b. excess rain  
 c. no or less rain      d. strong wind

**3. State TRUE or FALSE**

- a. The process of separating a liquid from settled sediment without disturbing it is called decantation. 1
- b. When the entire side of the Moon facing us gets sunlight we can see the Crescent Moon. 1
- c. A fishing rod is an example of second class lever. 1
- d. The sun provides energy to plants for photosynthesis. 1
- e. Aftershocks' is a minor earthquake which shakes the ground hours or even days after a major earthquake. 1

#### 4. Match the following

a. Coal	Quartz	1
b. Marble	Fuel	1
c. Pumice	Gemstone	1
d. Sandstone	Igneous rock	1
e. Sapphire	Metamorphic rock	1

#### SECTION B

#### Questions 5 to 22 carry 1 mark each

5	Name the molten rock inside the Earth's crust.	1
6	What are ores?	1
7	Name the process of wearing away of rocks.	1
8	Define soil erosion.	1
9	In which layer of the atmosphere do the jet planes fly?	1
10	Which component of air is responsible for humidity?	1
11	What would be your weight on the Moon, if you weigh 36kg on Earth?	1
12	Who was the first man to land on the Moon?	1
13	Name the fixed point at which a lever is supported.	1
14	Which simple machine is used in a screw jack?	1
15	Who are the primary consumers? Give an example.	1
16	Name any two non-living things on which animals depend on.	1
17	Who is an ecologist?	1
18	What is pollution?	1
19	Write two effects of a cyclone.	1
20	Suggest any two ways to prevent flood.	1
21	What is famine?	1
22	How does Red Cross help people affected by cyclones and floods?	1

#### Questions 23 to 33 carry 2 marks each

23	i) Name the three main types of rocks. ( ½ mark each )	2
	ii) Give another name for crude oil.	
24	How is soil useful for living things? ( two points )	2
25	Mention any two ways that have increased soil erosion by human activities.	2
26	i) When a glass is placed over a burning candle, the flame goes off after a few seconds. Which property of air is shown by this activity?	2
	ii) A straw is used to drink mango juice from a glass. Identify the property of air applied here?	
27	i) Name the kind of water used in car batteries.	2
	ii) Why is the filtered water treated with chlorine at the town waterworks?	
28	Differentiate between solar eclipse and lunar eclipse.	2
29	i) What will you do to make a wheel into a simple machine?	2
	ii) What is such a machine called?	
30	How is water important to all living things? ( any two ways )	2
31	i) What is a food chain?	2
	ii) Construct a food chain.	
32	i) What do you call the harmful substances that cause pollution?	2
	ii) If you throw away an empty mineral bottle, it will pollute the land. If you burn it, it will cause air pollution. Suggest a way to avoid both.	
33	What should you do when there is an earthquake? ( any 2 points )	2

**Questions 34 to 38 carry 3 marks each**

- 34 i) Which is the topmost layer of the soil? 3  
ii) What do you mean by soil conservation?  
iii) Name the kind of farming done on hill slopes to prevent soil erosion.

- 35 Think and answer. 3  
i) Name the gas present in a very small quantity in air and very important to plants.  
ii) What is the percentage of Nitrogen in the atmosphere?  
iii) Mountaineers carry oxygen cylinders while climbing high mountains. Why?

- 36 i) Name the first manned spacecraft to reach the Moon on 21 July 1969. 3  
ii) Give two ways in which artificial satellites are useful to us.

**Or**

- i) What are craters?  
ii) What is the approximate time the Moon takes to complete one revolution?  
iii) The Moon appears bigger than the stars in the sky. Why?

- 37 i) In what way is photosynthesis useful to animals? (1 mark) 3  
ii) List two ways in which plants depend on animals (2marks)

- 38 Think and answer. 3  
i) Scientists are trying to use wind and solar energy instead of fuels. Why? Suggest two reasons.  
ii) Name an organisation that encourages people to save forests and wild life.

**Question 39 carries 5 marks**

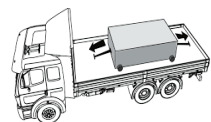
- 39 5  
i) Differentiate between a simple machine and a complex machine. (2 marks)  
ii) Draw line diagrams to show the three classes of levers and mark the position of the load, effort and fulcrum. (1 mark each)

**Or**

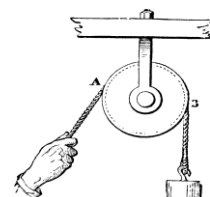
- i) Look at the figure shown and answer the following.  
a) Name the simple machine  
b) Identify the type of lever.  
c) Draw its line diagram to show the position of effort, fulcrum and load.



- ii) Wilfred wants to unload a fridge from a truck. He is not able to lift it. Which simple machine can help him?



- iii) A single fixed pulley does not reduce the effort required to lift the load. So how does it make the work easier?



End of the question paper.